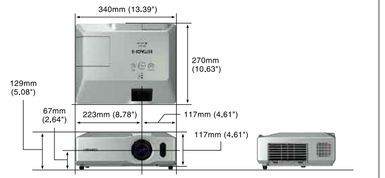
SPECIFICATIONS

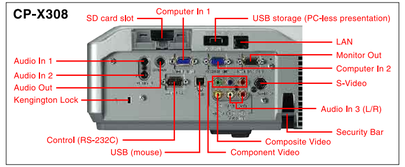
		CP-X308	CP-X417
Model name		CP-X308	CP-X417
Liquid crystal panel		0.63" polysilicon active-matrix TFT x 3	0.63" polysilicon active-matrix TFT x 3
Number of pixels		786,432 pixels (V768 x H1,024)	786,432 pixels (V768 x H1,024)
Resolution		1,024 x 768 color pixels	1,024 x 768 color pixels
Lens		Manual zoom (F=1.7-1.9) 1:1.2	Manual zoom (F=1.6-1.8) 1:1.2
Lamp		220W UHB	220W UHB
Brightness		2,600 ANSI Lumens	3,000 ANSI Lumens
Contrast ratio		500:1	400:1
Audio		7W mono	7W mono
Keystone correction		Auto vertical keystone	Auto vertical and manual horizontal keystone
Power supply		AC100-120V/AC220-240V	AC100-120V/AC220-240V
Operating temperature		5-35°C (41-95°F)	5-35°C (41-95°F)
Input signals	Computer input	VGA, SVGA, XGA, SXGA, SXGA+, UXGA, MAC16"	VGA, SVGA, XGA, SXGA, SXGA+, UXGA, MAC16"
	Video input	NTSC, NTSC4.43, PAL, SECAM, M-PAL, N-PAL HDTV: 750p (720p), 1125i (1080i) SDTV: 525i (480i), 525p (480p), 625i (576i)	NTSC, NTSC4.43, PAL, SECAM, M-PAL, N-PAL HDTV: 750p (720p), 1125i (1080i) SDTV: 525i (480i), 525p (480p), 625i (576i)
Input/output terminals	Video input	S-Video: Jack x 1, Composite video: RCA jack x 1 Component video: RCA jack x 3	S-Video: Jack x 1, Composite video: RCA jack x 1 Component video: RCA jack x 3
	Audio input	Stereo Mini jack x 2, RCA jack x 1 (L/R)	Stereo Mini jack x 2, RCA jack x 1 (L/R)
	Computer input	Analog RGB: 15-pin Mini-Dsub x 2	Analog RGB: 15-pin Mini-Dsub x 2, HDMI (digital RGB) x 1
	Audio output	Stereo Mini jack x 1	Stereo Mini jack x 1
	Monitor output	Analog RGB: 15-pin Mini -Dsub x 1	Analog RGB: 15-pin Mini -Dsub x 1
	Control and mouse	9-pin Dsub x 1 for RS232C, USB type B x 1 for mouse control	9-pin Dsub x 1 for RS232C, USB type B x 1 for mouse control
	PC-less presentation	USB type A x 1, SD slot x 1 (shared with wireless)	USB type A x 1, SD slot x 1 (shared with wireless)
	Wireless network	Yes (SD wireless card included)	Yes (SD wireless card is optional)
	Wired network (LAN)	RJ-45 x 1	RJ-45 x 1
Agency certifications		UL60950-1/C-UL, FCC Part15 class B, AS/NZS CISPR22 class B, CE	UL60950-1/C-UL, FCC Part15 class B, AS/NZS CISPR22 class B, CE
Dimensions (WxHxD)		340 x 117 x 270mm (13.39" x 4.61" x 10.63") [excl. protruding part]	340 x 117 x 270mm (13.39" x 4.61" x 10.63") [excl. protruding part]
Weight		4kg (8.8 lbs.)	4kg (8.8 lbs.)
Standard accessories		Computer cable, Remote Control, Batteries, Lens cap, Strap, Soft case, Power cord, User's manual, Audio/video cable, Security label, SD wireless card, SD slot cover lock, Application software CD	Computer cable, Remote Control, Batteries, Lens cap, Strap, Soft case, Power cord, User's manual, Audio/video cable, Security label, SD slot cover lock, Application software CD

DIMENSIONS

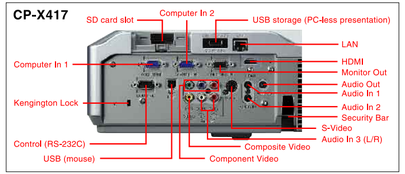


TERMINALS

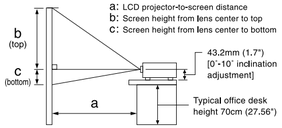
CP-X308



CP-X417



PROJECTION DISTANCE


a: LCD projector-to-screen distance
b: Screen height from lens center to top
c: Screen height from lens center to bottom
b (top)
c (bottom)
43.2mm (1.7") [0-10° inclination adjustment]
Typical office desk height 70cm (27.56")
a

CP-X308

Screen Size (inch)	a Min	a Max	b (top)	c (bottom)
30	0,9m (35")	1,1m (43")	41cm (16")	5cm (2")
40	1,2m (47")	1,4m (57")	55cm (22")	6cm (2")
50	1,5m (59")	1,8m (71")	69cm (27")	8cm (3")
60	1,8m (71")	2,2m (86")	82cm (32")	9cm (4")
70	2,1m (83")	2,5m (100")	96cm (38")	11cm (4")
80	2,4m (95")	2,9m (115")	110cm (43")	12cm (5")
90	2,7m (107")	3,2m (129")	123cm (49")	14cm (5")
100	3,0m (119")	3,6m (144")	137cm (54")	15cm (6")
120	3,6m (143")	4,4m (172")	165cm (65")	18cm (7")
150	4,6m (179")	5,5m (216")	206cm (81")	23cm (9")
200	6,1m (239")	7,3m (288")	274cm (108")	30cm (12")
250	7,6m (299")	9,1m (360")	343cm (135")	38cm (15")
300	9,1m (359")	11,0m (432")	411cm (162")	46cm (18")

CP-X417

Screen Size (inch)	a Min	a Max	b (top)	c (bottom)
30	0,9m (34")	1,1m (41")	41cm (16")	5cm (2")
40	1,2m (46")	1,4m (56")	55cm (22")	6cm (2")
50	1,5m (58")	1,8m (70")	69cm (27")	8cm (3")
60	1,8m (70")	2,1m (84")	82cm (32")	9cm (4")
70	2,1m (81")	2,5m (98")	96cm (38")	11cm (4")
80	2,4m (93")	2,8m (112")	110cm (43")	12cm (5")
90	2,7m (105")	3,2m (126")	123cm (49")	14cm (5")
100	3,0m (117")	3,6m (140")	137cm (54")	15cm (6")
120	3,6m (140")	4,3m (169")	165cm (65")	18cm (7")
150	4,5m (176")	5,4m (211")	206cm (81")	23cm (9")
200	6,0m (235")	7,2m (282")	274cm (108")	30cm (12")
250	7,5m (294")	9,0m (353")	343cm (135")	38cm (15")
300	9,0m (352")	10,8m (423")	411cm (162")	46cm (18")

• Final specifications may vary slightly.

• Design and specifications are subject to change without notice.
• The screen and monitor images and comparison photos in this catalog are simulations.
• LCD panels, polarizers and other optical components and cooling fans may need replacement after prolonged usage. For more details, please consult a Hitachi sales representative.
• Do not use in places where there is a lot of water, dampness, steam, dust, soot or tobacco smoke. This may result in fire or malfunction.
• Optical components (lamp, LCD panel, polarizing plate, PBS [polarizer beam splitter], contrast-up film) have limited service lives. They must be repaired or replaced if they are used for a long period of time.
• These projectors use a mercury lamp with high internal pressure. Because of its properties, this lamp may burst with a loud noise or burn out if struck or after it has been used for a period of time. The time until it bursts or burns out varies greatly according to differences between lamps and usage conditions. Turning the lamp's power on and off frequently shortens its service life.
• Optical components other than the lamp: If the projector is used for six hours or more per day, they may need to be replaced in less than a year.
• LCD panel: If the projector is used continuously for six hours or more, its replacement cycle may be shortened.
• Do not turn projector on again for ten minutes after shutdown. Neglect can shorten the lifetime of the lamp. During use and immediately after use, do not touch anywhere near the lamp and the vents as these parts are extremely hot.
• Windows Vista is a trademark of Microsoft Corporation.
• HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC.

HITACHI

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HITACHI LCD Projectors CP-X308/CP-X417

HITACHI
Inspire the Next

Wireless and network operation for greater convenience!
Presentations, lectures, etc. in medium size meeting rooms and classrooms are smoother than ever.

LCD Projectors
CP-X308
CP-X417

• Wireless operation lets you start presentations and lessons smoothly.

• Manage and control numerous projectors with a single computer.

• Example of cart top use for classroom lessons.

Wireless and network functions plus many other outstanding features ensure smooth projection every time.

Flexible ceiling mounted or cart top use makes these projectors great for presentations and lessons in medium size spaces.

LCD Projectors

CP-X308
2,600 ANSI Lumens

CP-X417
3,000 ANSI Lumens

Wireless and Network Functions

Quick Connection

Compatible with Windows Vista™

With the convenient MIU Live Viewer software, you can easily set up a wired or wireless environment.

• Windows Vista™ can only be used in manual mode.
• SD wireless card is an optional for the CP-X417.

Wireless Presentation and Multi-Screen for Conferences

Compatible with Windows Vista™

There's no need to connect the projector to a computer via a cable, making it much quicker to start presentations and lessons. In addition, images from four computers can be displayed at the same time by wireless control for more effective presentations. The Display User Name function in the Menu allows user names to be displayed for each computer, so it is easy to tell whose image is being displayed.

Cable connection unnecessary.

Four images on one screen.

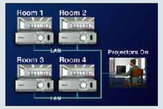
Presenter Mode

Compatible with Windows Vista™

When the projector is connected to multiple computers on a network, the output from one specific computer can be set as the projected image. Images from other computers will not be unexpectedly projected, so there is no chance of them interfering with the presentation.

Projector Monitoring and Control from a Remote Location*

One computer can monitor and control the functions of a single projector or as many LAN-connected projectors as are needed.



E-mail Alert Prevents Trouble*

The projector diagnoses possible trouble and sends an E-mail Alert to ten designated e-mail addresses.

Scheduling Function*

On/off timing can be set for automatic operation from a computer. For example, set power-on to coincide with the start of a lesson.

Control and Monitoring via Web Browser

By inputting the projector's IP address into your browser, you can perform almost all functions from the menu without installing software, in both wired and wireless configurations.

• To use Windows Vista™, it is necessary to download the latest software. Ask your dealer for details. • There are limitations on some functions that can be used with Windows Vista™.
* To use these functions, it is necessary to install dedicated software from the Web. See the owner's manual for details.

Versatile Security

Hitachi Unique Technology Transition Detector Prevents Unauthorized Use

This Hitachi security function is engaged when the projector angle or setting are changed from the installed position. Even if someone takes it without authorization, that person cannot use it.

Security Bar Prevents Theft

An improved Security Bar allows easy attachment to a convenient place by a cable or chain. There is also a Kensington security slot for using a lock to attach a cable.

PIN Lock and My Screen PIN Lock

PIN Lock ensures that only those who know the PIN can use the projectors. My Screen PIN Lock locks in an image as the startup screen, such as a school name or company logo.

PIN Lock

My Screen PIN Lock

High Reliability

Less Maintenance Frequency Thanks to a Large Filter

The projector uses a large-size, highly reliable filter. The filter lasts four times as long as the type used on previous models, so when the projector is frequently used for long hours, this saves a great deal of maintenance time.

Maintenance is More Convenient: Easy Replacement of Lamp and Filter

The lamp cover is on the top of the projector and the filter is on the side. Even when mounted on the ceiling, the lamp or filter can be easily replaced. Maintenance is more convenient and faster.

Lamp door on top

Filter on side

7W Audio Output Provides Adequate Volume and High Quality Sound

7W audio output lets you give lessons or presentations with adequate volume using only the projector – no need for separate speakers or amplifiers. The sound is crisp and clear.

Superior Usability

PC-less Presentations Using Various Media

Images stored on SD cards, USB storage devices and HDD media players can be displayed using only the projector. Presentations and lessons are easier because you don't have to carry a computer around.

Projection without a computer.

Daytime Mode Enhances Clarity in Bright Conditions

Projected images may sometimes be difficult to see under bright lighting. Use the Daytime Mode to ensure clear, vivid images.

Normal mode

Daytime mode

My Text is a Useful Function

My Text lets you put text on the startup screen according to your needs, such as model name, serial number or location information.

Vertical and Horizontal Keystone Correction

These projectors provide vertical (automatic/manual) and horizontal (manual) keystone correction. Horizontal keystone correction is available on the CP-X417 only.

Other Features

• My Button • Input Source Naming • Low Noise of 29dB (Whisper Mode) • Resolution Preset and Custom Modes • Blackboard or Whiteboard Modes • 4-Second Quick Start • Direct Power On/Off • 3:2 Pull Down • Motion Adaptive Progressive Scan • Noise Reduction • Equalizing Gamma Function • Data Storage via a Network • Automatic Time Adjustment • IR Remote Frequency Change • Serial No. Label on Side • Security Label Included